

We Claim:

1. A composition indicated for the manufacture of a drug delivery system possessing an extended drug delivery period up to thirty hours, wherein the composition comprises: 35 wt% to 70 wt% of a semipermeable polymer; 10 wt% to 40 wt% of a plasticizer; 20 wt% to 35 wt% of a peptide; and 0 wt% to 10 wt% of a surfactant.
2. A composition indicated for the manufacture of a drug delivery system possessing a sustained-release drug delivery time up to thirty hours, wherein the composition comprises: 35 wt% to 70 wt% of a member selected from the group consisting of a cellulose acylate, cellulose diacylate, and a cellulose triacylate polymer; 10 wt% to 40 wt% of a plasticizer that increases the aqueous diffusion coefficient of the composition and is selected from the group consisting of glycerin, triacetin, adipic acid, azelaic acid, citric acid, triethyl citrate, acetyl triethyl citrate, tributyl citrate, acetyl tributyl citrate, butyryl trihexyl citrate, polyethylene glycol, diethylene glycol dipelargonate and triethylene glycol di(2-ethylbutrate); 20 wt% to 35 wt% of a peptide; and 0 wt% to 10 wt% of a surfactant.
3. The composition indicated for the manufacture of drug delivery system according to claim 2, wherein the plasticizer is replaced by a member selected from the group consisting of di-n-butylsebarate, disobutyl phthalate, undecyldecel phthalate and disobutyl phthalate.
4. The composition indicated for the manufacture of a drug delivery system according to claim 2, herein the plasticizer is replaced by a member selected from the group consisting of tricresyl phosphate, cellulose nitrate, dimethylamide, methyl ricinoleate, acetyl triethyl hexyl citrate, methyl phthalyl ethyl glycolate, ethylene glycol dipropionate, monoacetin, diacetin tribulyrin, polyester of diethylene glycol and succinic acid, sorbitol, and diphenylactyl phosphate.
5. A composition for providing a sustained-release dosage form comprising: 35 wt% to 70 wt% of a semipermeable polymer; 10 wt% to 40 wt%

of a plasticizer; 20 wt% to 35 wt% of a peptide selected from the group consisting of a protein possessing a molecular weight of 1500 to 350,000; and 0 wt% to 10 wt% of a surfactant selected from the group consisting of an anionic, amphoteric, cationic and nonionic surfactant.

5 6. The composition for providing a sustained-release dosage form according to claim 5, wherein the peptide comprises a member selected from the group consisting of reticulin, silk, keratin, casein, lactoglobulin, prolamine, gluten, albumin, elastin, soy protein, globulin, gelatin, collagen, and zein.

10 7. The composition for providing a sustained-release dosage form according to claim 5, wherein the peptide comprises a micron size of 0.01 to 50 microns.

15 8. A composition for providing an extended-release dosage form comprising: 35 wt% to 70 wt% of a polymer permeable to the passage of an aqueous fluid; 10 wt% to 40 wt% of a plasticizer, 20 wt% to 35 wt% of a compound possessing a peptide bond; and 0.01 wt% to 10 wt% of a surfactant selected from the group consisting of an anionic, amphoteric, cationic, and nonionic surfactant, with the weight of ingredients comprising the composition equal to 100 wt%, and the provided extended-release dosage form, when in operation, delivers a drug up to thirty hours.

20 9. The composition for providing an extended-release dosage form according to claim 8 wherein the surfactant is a member selected from the group consisting of polyoxyethylene sorbitan fatty and, polyoxyethylene sorbitan monolaurate, polyoxyethylene sorbitan monopalmitate, polyoxyethylene sorbitan monostearate, polyoxethylene 20 sorbitan tristearate, polyoxyethylene sorbitan monoleate, polyoxyethylene sorbitan monoisostearate, and polyoxyethlenated stearic acid.

25 10. A composition for manufacturing a sustained-release dosage form comprising 35 wt% to 70 wt% of a lipophilic-attracting polymer; 25 wt% to 65 wt% of a flux enhancer; and 0 wt% to 10 wt% of a surfactant, with the weight of all
30 materials comprising the composition equal to 100 wt%.

11. A composition for the manufacture of a sustained-release dosage form comprising: 35 wt% to 70 wt% lipophilic-attracting poly(ethyl cellulose) polymer; 25 wt% to 65 wt% of a flux enhancer hydroxyalkylcellulose wherein the alkyl group comprises 1 to 6 carbon atoms; and 0.1 wt% to 10 wt% of a
5 surfactant.

12. The composition for the manufacture of a sustained-release dosage form according to claim 11, wherein the poly(ethyl cellulose) comprising an ethoxyl content of 44 to 51%.

13. The composition for the manufacture of a sustained-release dosage form according to claim 11, wherein the poly(ethyl cellulose) exhibits a viscosity of 3 to 350 centipoise.
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14. The composition for the manufacture of a sustained-release dosage form according to claim 11, wherein the hydroxyalkylcellulose is selected from the group consisting of hydroxyethylcellulose and hydroxypropylcellulose.

15. The composition for the manufacture of a sustained-release dosage form according to claim 11, wherein the surfactant comprises a member selected from the group consisting of polyoxyl 4 stearate, polyoxyl 8 stearate, polyoxyl 20 stearate, polyoxyl 30 stearate, polyoxyl 40 stearate, polyoxyl 50 stearate, polyoxyl 100 stearate, polyoxyl 4 distearate and polyoxyl 150 distearate, and
20 wherein the number refers to the surfactant polymer length in oxyethylene units.

16. The composition for the manufacture of a sustained-release dosage form according to claim 11, wherein the surfactant comprises a member selected from the group consisting of polyoxyethylene alkyl ether, polyoxyl 2 cetyl ether and polyoxyl 23 lauryl ether wherein the whole number denotes the number of
25 oxyethylene units.

17. The composition for the manufacture of a sustained-release dosage form according to claim 11, wherein the surfactant comprises a surfactant selected from the group consisting of polyoxyethylene castor oil, polyoxy 35 castor oil, polyoxyl 40 hydrogenated castor oil, and polyoxyethylene sorbitan fatty
30 acid esters.

18. A bilayer membrane comprising: a membrane comprising 35 wt% to 70 wt% of a polymer permeable to the passage of an aqueous fluid; 10 wt% to 40 wt% of a plasticizer; 20 wt% to 35 wt% of a compound possessing at least one peptide moiety; and 0 wt% to 10 wt% of a surfactant; said membrane in contact
5 with a membrane comprising: 35 wt% to 70 wt% of a polymer possessing lipophilic-attracting ability; 25 wt% to 65 wt% of an aqueous flux enhancer; and 0 wt% to 10 wt% of a surfactant; said bilayer membrane useful for the manufacture of a dosage form that delivers a drug over time up to thirty hours.

19. A dosage form comprising: a first membrane and a second membrane; said first membrane 35 wt% to 70 wt% of a polymer possessing a lipophilic-attracting property, 25 wt% to 65 wt% of a flux enhancer, and 0 wt% to 10 wt% of a surfactant; said second membrane comprising 35 wt% to 70 wt% of a polymer permeable to the passage of an aqueous fluid, 10 wt% to 40 wt% of a plasticizer, 20 wt% to 35 wt% of a peptide, and 0 wt% to 10 wt% of a surfactant;
15 100 ng to 750 mg of a drug in the dosage form; and wherein, when the dosage form is in use, the drug is delivered over a sustained-release time up to thirty hours.

20. The dosage form according to claim 19 wherein; the first membrane contacts the second membrane, and an exit is present in the contacting
20 membranes for delivering the drug from the dosage form.

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